IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUG @ 2004 OFFICIAL

PATENT APPLICATION

Applicant(s):

Hongbin Zhang et al.

Case:

TYCO/003

Confirmation #:

3259

Serial No.:

10/796,930

Filed:

3/10/04

Examiner:

unknown

Group Art Unit:

2872

Title:

AND METHODS

APPARATUS FOR POLARIZATION

CONTROL

POWER OF ATTORNEY CHANGE OF CORRESPONDENCE ADDRESS

COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, VA 22313-1450

SIR:

Tyco Telecommunications (US) Inc., a Delaware corporation, as Assignee of the entire interest of the above-identified patent application (copies of Assignment in the chain of title are attached), hereby revokes all powers of attorney previously given and appoints the following attorneys and agents to prosecute and transact all business in the United States Patent & Trademark Office connected therewith.

Attorney Name(s): Attorneys and/or Agents of CUSTOMER #26,291

Please send all correspondence to:

CUSTOMER #26,291 MOSER, PATTERSON & SHERIDAN, LLP 595 Shrewsbury Avenue Suite 100 Shrewsbury, New Jersey 07702 Attention: John Maldjian

Telephone calls should be made to JOHN MALDJIAN at: telephone number 732-530-9404 and fax number 732-530-9808.

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The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Please mark the record to reflect new Attorney Docket No.: TYCO/003.

Date: 8/3/04

William C. Marra

Vice President & CTO Research, Development, Engineering &

Network Operations

Tyco Telecommunications (US) Inc.

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	Docket Number
ASSIGNMENT OF UTILITY APPLICATION	TYCOTE 3.0-003
Vhereas, I, Hongbin Zhang .	of
11 Mallard Lane, Mariboro, NJ 07746	
ereafter referred to as assignor, have with others invented cer	tain new and useful improvements in
METHODS AND APPARATUS FOR POLARIZATION	N CONTROL
X for which an application for a United States Letters Pa	
Application Number 10/796,930	•
for which an application for a United States Letters Pate	ant was executed by me on
and	
Whereas, Tyco Telecommunications (US) Inc.	
a corporation of <u>Delaware</u> herein referred to as "assignee" who	ose mailing address is
60 Columbia Road; Morristown, New Jersey 07960	
s desirous of acquiring the entire right, title and interest in the	same;
	atas of Amarica and all coner countries ill will ly a
invention and the eforesaid utility patent application and all applications and patents applied for or granted therefor in the said Invention, Including without limitation all applications and the aloresaid utility application pursuant to any law or treaty, and the Commissioner of Patents and Trademarks is hereby improvements or resulting therefrom to said assignee here undersigned for me and my legal representatives, helrs and remuneration, to execute and deliver all original, divisional, Patent on said improvements and all assignments thereof the assignee or its representatives all facts known to the unrequested, to testify in any interferences or other legal process.	I patents for said invention claiming priority or between and including the right to claim such priority or between and including the right to claim such priority or between assigns and requested to issue all patents on stain, as assigns of the entire interest therein; and the assigns do hereby agree and covenant without furth continuation, reissue and other applications for Letter assigned assigned or its assigns, to communicate to standarding in which any of said applications or patents in batter, and to do generally everything necessary to sent protection for said improvements in all countries, the protection for said improvements in all countries.
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	tormer PTO/SB/15 (8-00) Modified LDL/GLM
	Docket Number
ASSIGNMENT OF UTILITY APPLICATION	TYCOTE 3.0-003
Whereas, I, Li Liu	of
310 N. Broad Street, Apt. F10; Carneys Point, New Jers	sey 08069
hereafter referred to as assignor, have with others invented cert	tain new and useful improvements in
METHODS AND APPARATUS FOR POLARIZATION	CONTROL
X for which an application for a United States Letters Pal	tent was filed on March 10, 2004
Application Number 10/796,930	· · · · · ·
for which an application for a United States Letters Pate	ent was executed by me on
and	
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·	
Whereas, Tyco Telecommunications (US) Inc.	
a corporation of <u>Delawara</u> herein referred to as "assignee" who	psa maliing aburess is
60 Columbia Fload; Morristown, New Jersey 07960 is desirous of acquiring the entire right, title and interest in the	sama'
is desirons at accomming me english uffire' may and present a pro-	dollars (\$ 1.00), the receipt whereof
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Station and the aforesaid utility patent application and all applications and patents applied for or granted therefor in the said invention, including without limitation all applications and the aforesaid utility application pursuant to any law or treaty, and the Commissioner of Patents and Trademarks is hereby improvements or resulting thereform to said assignee herein undersigned for me and my legal representatives, heirs and remuneration, to execute and deliver all original, divisional, or Patent on said improvements and all assignments thereof to assignee or its representatives all facts known to the unrequested, to testify in any interferences or other legal processome involved, to sign all lawful papers, make all rightful assignee, its successors, assigns and nominees to obtain pate expenses incident to said applications to be borne and paid by	ates of America and all other countries in and to said original, divisional, continuation, substitute or reissue a United States of America and all other countries, for patents for said invention claiming priority or benefit of and including the right to claim such priority or benefit of and including the right to claim such priority or benefit authorized and requested to issue all patents on said in, as assigned of the entire interest therein; and the assigns do hereby agree and covernant without further continuation, reissue and other applications for Letters as all assigned or its assigns, to communicate to said indersigned respecting said improvements, whenever delings in which any of said applications or patents may obstitute, and to do generally everything necessary to aid and protection for said improvements in all countries, the
4/12/2004	gr. gr.
(Date)	(Signature)
State of New Acres) SS:	
On this day of <u>hoe!</u> before me personally known as the individual who executed the for same was executed by him/her of his/her own free will for the	we me personally came the above-named <u>Li Liu</u> , to regoing instrument, who acknowledged to me that the purposes therein set forth.
	Laura Fish
Kawa Fish	Notary Public
(Notary Public)	State of New Jersey My Commission Expires On June 23, 2000
	my Contonication Capital On 1this 20, 2000
x Total of 4 forms are submitted.	
LD-528\	

	tormer PTQrSBr16 (8-00) Modified LDLK&M
	Docket Number
ASSIGNMENT OF UTILITY APPLICATION	TYCOTE 3.0-003
	ct ct
hereas, I. R. Brian Jander	
100 Tees Ton Circle: Freehold, New Jersey 07728	
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METHODS AND APPARATUS FOR POLARIZATION	CONTROL
X for which an application for a United States Letters Pat	ent was filed on March 10, 2004
Application Number 10/796,930	
for which an application for a United States Letters Pater	nt was executed by me on
and	
Whereas, Tyco Telecommunications (US) Inc.	_
corporation of Delaware herein referred to as "assignee" who	se mailing addréss is
en Columbia Board: Morristown, New Jersey 07960	
s desirous of acquiring the entire right, title and interest in the s	eame;
III A GI WICH I STORY OF A STORY OF THE STOR	ongine, divisional, commission and all other countries to
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applications and patents applied for or granted treated in the said invention, including without limitation all applications and the doreseld utility application pursuant to any law or treaty, and the Commissioner of Patents and Trademarks is hereby improvements or resulting therefrom to said assignee herely undersigned for me and my legal representatives, helrs and remuneration, to execute and deliver all original, divisional, or Patent on said improvements and all assignments thereof to assignee or its representatives all facts known to the unrequested, to testify in any interferences or other legal process become involved, to sign all lawful papers, make all rightful assignee, its successors, assigns and nominees to obtain pate expenses incident to said applications to be borne and paid by (Date) State of County of State of County of State of County	e United States of America and all other countries, for patents for said invention claiming priority or benefit of patents for said invention claiming priority or benefit of and including the right to claim such priority or benefit of authorized and requested to Issue all patents on said in, as essignee of the entire interest therein; and the assigns do hereby agree and covenant without further continuation, reissue and other applications for Letter of said assignee or its assigns, to communicate to said interestigned respecting said improvements, whenever of the said improvements of patents may obtain, and to do generally everything necessary to all ent protection for said improvements in all countries, they said assignee. (Signature) One me personally came the above-named R. Brist and the foregoing instrument, who acknowledged to mill for the purposes therein set forth.
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	tormer PTO/SB/15 (8-00) ModRed LDLKAM
	Docket Number
ASSIGNMENT OF UTILITY APPLICATION	TYCOTE 3.0-003
Ihereas, I, Alexei N. Pilipetskii	of
16 Rateinh Pass: Cotts Neck, New Jersey 07722	
ereafter referred to as assignor, have with others invented certain ne-	w and useful improvements in
METHODS AND APPARATUS FOR POLARIZATION CON	ITROL
X for which an application for a United States Letters Patent wa	as filed on March 10, 2004
Application Number 10/796,930	
for which an application for a United States Letters Patent was	executed by me on
and	
Whereas, Tyco Telecommunications (US) Inc.	
corporation of Delaware herein referred to as "assignee" whose ma	illing address is
en Columbia Road: Morristown, New Jersey 07960	
s destrous of acquiring the entire right, title and interest in the same;	
said Invention, including without limitation all applications and paten	
the aloresaid utility application pursuant to any law or treaty, and in and the Commissioner of Patents and Trademarks is hereby author improvements or resulting therefrom to said assignee herein, as undersigned for me and my legal representatives, heirs and assign remuneration, to execute and deliver all original, divisional, continued patent on said improvements and all assignments thereof to said assignee or its representatives all facts known to the undersign requested, to testify in any interferences or other legal proceedings become involved, to sign all lawful papers, make all rightful oaths, assignee, its successors, assigns and nominees to obtain patent proceedings incident to said applications to be borne and paid by said	ncluding the right to claim such priority or benefitized and requested to issue all patents on said assignee of the entire interest therein; and this do hereby agree and covenant without further unation, relissue and other applications for Letter assignee or its assigns, to communicate to saigned respecting said improvements, whenever in which any of said applications or patents may and to do generally everything necessary to aid tection for said improvements in all countries, the
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